

WHAT IS CLAIMED IS:

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1. An optical module comprising:  
a ferrule having a slope end surface and  
supporting an optical fiber penetrated therethrough;  
a photodetector attached to the slope end  
10 surface and optically coupled directly with the  
optical fiber;  
a module substrate supporting the ferrule;  
and  
a resin package covering the ferrule so  
15 that an end of the ferrule protrudes from the resin  
package.

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2. The optical module as claimed in claim  
1, further comprising a supporting base mounted on  
the module substrate, the supporting base supporting  
the ferrule.

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3. The optical module as claimed in claim  
30 1, further comprising electronic parts mounted on  
the module substrate.

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4. The optical module as claimed in claim  
1, wherein the resin package comprises engagement

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5. The optical module as claimed in claim 1, wherein:

the resin package comprises engagement  
10 protrusions which are to be engaged with an optical  
connector; and

the engagement protrusions extend along side surfaces of the resin package.